Claim Amendments

1. (Previously Presented) A system comprising:

a memory;

a processor that couples to the memory;

a basic input output system that couples to the processor,

wherein the basic input output system comprises:

a first module to perform system backup in response to a backup request and perform system recovery in response to a recovery request,

a user interface to enable a user of the system to save one or more backup points that comprises one or more from a group comprising time information on the backup operation, type of the backup operation, information on content to be backed up in the backup operation, information to identify the content,

a point management module to establish a relationship among the backup points and locate a backup point associated with the recovery request based on the relationship.

2. (Previously Presented) The system of claim 1, wherein the first module comprises:

a backup module to execute a backup operation based on the backup request; and

a restore module to execute a restore operation based on the recovery request.

3. (Previously Presented) The system of claim 1, wherein the basic input output system comprises:

a difference analyzer to check one or more changes in data of the system with respect to a basic backup.

4. (Currently Amended) The system of claim 1, wherein the basic input output system comprises:

an accessing module to provide access to a storage device to store backup data~~; and~~.

5. (Previously Presented) The system of claim 1, wherein the basic input output system comprises:

a network accessing module to enable the basic input output system to access a remote device to store backup data.

6. (Previously Presented) The system of claim 1, wherein the user interface is further to enable a user to choose in the system backup between a full backup and an incremental backup.

7. (Previously Presented) The system of claim 1, wherein the basic input output system comprises:

one or more extension modules that provide one or more additional functions in the basic input output system; and

an interface to add the one or more extension modules to the basic input output system.

8. (Previously Presented) The system of claim 1, wherein the basic input output system comprises:

a processing module to execute a processing operation on data for backup and to execute a reverse operation on data for restoration in response to the first module determining that the processing operation or the reverse operation is required, wherein the processing operation comprises one or more of a compression operation and an encryption operation.

9. (Previously Presented) A system, comprising:

a first module to perform system initialization for a computing device; and

a second module to back up one or more files of the computing device in response to a backup request and to restore one or more files of the computing device in response to a recovery request,

a user interface to enable a user of the computer device to save one or more backup points that comprises one or more from a group comprising time information

on the backup operation, type of the backup operation, information on content to be backed up in the backup operation, information to identify the content,

a point management module to establish a relationship among the backup points and locate a backup point associated with the recovery request based on the relationship.

10. (Previously Presented) The system of claim 9, the second module is implemented by a basic input output system.

11. (Previously Presented) The system of claim 9, wherein the user interface is further for a user to choose between backing up one or more current files and one or more changes in the files with respect to a previous backup operation for the backup request; and

the second module further comprises a difference analyzer to get the changes for the backup request in response to the user choosing to back up the changes via the user interface, and get one or more changes associated with the one or more backup points for the restoration operations,

wherein the second module further to back up the changes for the backup request.

12. (Original) The system of claim 9, further comprising:

a processing module to compress and encrypt the files for backup and to decompress and decrypt the files for restoration.

13. (Previously Presented) The system of claim 9, wherein the user interface further enables a user to choose between backing up the files on a storage device of the computing device and on a remote computing device for the backup request.,

an accessing module to provide access to the storage device; and

a remote accessing module to provide access to the remote computing device.

14. (Original) The system of claim 9, further comprising:

an interface to enable one or more extension modules to be added to the system, wherein the one or more extension modules may provide one or more functions to the system.

15. (Previously Presented) A method comprising:

entering a basic input and output system of a computing device;

using the basic input and output system to perform a backup operation for the computing device in response to a backup request;

using the basic input and output system to perform a restoration operation for the computing device in response to a recovery request;

providing a user interface in the basic input and output system to enable a user of the computing device to save one or more backup points that comprises one or

more from a group comprising time information on the backup operation, type of the backup operation, information on content to be backed up in the backup operation, information to identify the content;

establishing a relationship among the backup points and locate a backup point associated with the recovery request based on the relationship.

16. (Previously Presented) The method of claim 15, further comprising:

indicating whether the backed up data is deletable or erasable based on the relationship via the user interface.

17. (Original) The method of claim 15, further comprising:

determining whether the backup operation relates to backing up data of the computing device or a change in the data with respect to a previous backup operation.

18. (Original) The method of claim 17, further comprising:

in response to determining to back up the change, obtaining the change for the backup operation from the computing device.

19. (Original) The method of claim 17, further comprising:

in response to determining to back up the data of the computing device, obtaining the data for the backup operation from the computing device.

20. (Original) The method of claim 15, further comprising:

saving data for backup to a storage device of the computing device.

21. (Original) The method of claim 15, further comprising:

saving data for backup to a remote device.

22. (Previously Presented) The method of claim 15, further comprising:

determining whether to perform a data processing operation on data for backup in the backup operation, wherein the data processing operation comprises one or more selected from a group comprising an encryption operation, a compression operation, a decryption operation and a decompression operation.

23. (Original) The method of claim 22, further comprising:

performing the data processing operation, in response to determining that the data processing operation is required.

24. (Original) The method of claim 15, further comprising:

locating a previous backup operation based on the recovery request.

25. (Original) The method of claim 15, further comprising:

determining whether the previous backup operation is a full backup or an incremental backup.

26. (Original) The method of claim 25, further comprising:

in response to determining that the previous backup is an incremental backup, retrieving one or more changes associated with the incremental backup from the computing device.

27. (Original) The method of claim 15, further comprising:

retrieving data from the computing device that were backed up in one or more previous backup operations to get data for restoration.

28. (Original) The method of claim 27, further comprising:

rewrite one or more current files of the computing device with the data for restoration.

29. (Previously Presented) A tangible machine readable medium comprising machine readable code that in response to being executed result in a firmware to

perform a restoration operation on a computing device in response to a recovery request;

perform a backup operation on the computing device in response to a backup request;

provide a user interface in the firmware to enable a user of the computer device to save one or more backup points that comprises one or more from a group comprising time information on the backup operation, type of the backup operation, information on content to be backed up in the backup operation, information to identify the content; and

establish a relationship among the backup points and locate a backup point associated with the recovery request based on the relationship.

30. (Previously Presented) The machine readable medium of claim 29, wherein the machine readable medium further comprising machine readable code to

determine whether the previous backup point relates to a full backup that backs up data of the computing device or an incremental backup that backs up one or more changes in the data with respect to a backup point prior to the previous backup point.

31. (Original) The machine readable medium of claim 29, wherein the machine readable medium further comprising machine readable code to

retrieve the one or more changes from the computing device, in response to determining that the previous backup point relates to the incremental backup; and

obtain data for restoration from the changes.

32. (Original) The machine readable medium of claim 29, wherein the machine readable medium further comprising machine readable code to

retrieve data from the computing device that were backed up in one or more previous backup operations to get data for restoration based on the restoration request.

33. (Original) The machine readable medium of claim 32, wherein the machine readable medium further comprising machine readable code to

determine whether to perform decompression and decryption on the data for restoration.

34. (Original) The machine readable medium of claim 33, wherein the machine readable medium further comprising machine readable code to

decompress and decrypt the data for restoration, in response to determining that the decompression and decryption is required.

35. (Original) The machine readable medium of claim 29, wherein the machine readable medium further comprising machine readable code to

rewrite one or more current files of the computing device with data for restoration.